

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of the Claims:**

1           **Claim 1 (currently amended):** ~~An~~ A moving picture data  
2 producing apparatus for generating outputted moving picture  
3 data derived from inputted uncompressed moving picture data,  
4 said apparatus comprising:  
5           input means for inputting said uncompressed moving  
6 picture data;  
7           ~~compression~~ moving picture coding means including  
8 quantization means for generating compressed moving picture  
9 data from said uncompressed moving picture data; ~~and~~  
10           rate correction data producing means for producing rate  
11 correction data based on an output of said moving picture  
12 coding means, said rate correction data including  
13 information about said compressed moving picture data;  
14           compression frame data means for adding said rate  
15 correction data to be added to said compressed moving  
16 picture data to generate compression frame data; and  
17           output means for outputting said compression frame data  
18 to a moving picture coding apparatus, wherein said moving  
19 picture coding ~~to generate said outputted moving picture~~  
20 ~~data which is used by another apparatus~~ is used to change

21 the bit rate of said compressed moving picture data by  
22 utilizing said rate correction data and a desired bit rate  
23 input to said moving picture coding apparatus.

1       **Claim 2 (currently amended):** The apparatus according  
2 to Claim 1, wherein said rate correction data producing  
3 means creates rate correction data which enables rate  
4 changing by said ~~another~~ moving picture coding apparatus by  
5 conducting a quantization for an area having high bit rate  
6 in motion picture frames, while using a quantization value  
7 which is different from ~~[[a]]~~ the value used when producing  
8 the compressed moving picture data.

1       **Claim 3 (currently amended):** The apparatus according  
2 to Claim 1, wherein said rate correction data producing  
3 means creates rate correction data which enables bit rate  
4 changing by said ~~another~~ moving picture coding apparatus by  
5 conducting a different quantization for the area in a P  
6 frame of the compressed moving picture data having a low  
7 probability of being referred to in a motion prediction  
8 operation.

1           **Claim 4 (currently amended):** The apparatus according  
2 to any one of Claims 1 to 3, wherein said ~~compression~~ moving  
3 picture coding means further includes:

4           means for recording reference inhibition area  
5 information about an area not to be referred to for motion  
6 compensation, wherein the area information is included in  
7 the rate correction data for each frame of the moving  
8 picture data; and

9           motion compensation means for conducting motion  
10 compensation without referring to the area not to be  
11 referred to in conducting motion prediction for a next  
12 frame.

1           **Claim 5 (currently amended):** The apparatus according  
2 to Claim 1, wherein said ~~compression~~ moving picture coding  
3 means includes motion compensation means for conducting  
4 motion compensation and outputting referenced area  
5 information referred to at a time of motion estimation;  
6 wherein

7           said rate correction data producing means uses the  
8 referenced area information to create[[s]] said rate  
9 correction data which enables rate changing by said ~~another~~  
10 moving picture coding apparatus by conducting a quantization  
11 for an area a low probability of being referred to in

12 conducting motion prediction for the next frame, while using  
13 quantization value which is different from ~~[[a]]~~ the value  
14 used when producing the compressed moving picture data.

1       **Claim 6 (currently amended):** The apparatus according  
2 to Claim 1, wherein said rate correction data producing  
3 means deletes high frequency components from said input  
4 uncompressed moving picture data in advance, and then  
5 produces said rate correction data which enables rate  
6 changing by said ~~another~~ moving picture coding apparatus by  
7 conducting a quantization using a quantization value  
8 equivalent to ~~[[a]]~~ the value used when producing the  
9 compressed moving picture data.

1       **Claim 7 (currently amended):** The apparatus according  
2 to Claim 1, wherein said rate correction data producing  
3 means determines position information identifying a position  
4 at which rear portions of bits in packets of said compressed  
5 motion picture data are identified for later deletion by the  
6 ~~another~~ moving picture coding apparatus with respect to an  
7 area structured by a continuous arbitrary number of macro-  
8 blocks and wherein the rate correction data producing means  
9 produces the rate correction data including the position  
10 information.

1           **Claim 8 (currently amended):** The apparatus according  
2 to Claim 1, wherein said rate correction data producing  
3 means produces rate correction data which enables the bit  
4 rate changing by said ~~another~~ moving picture coding  
5 apparatus by creating an I-frame as well as P-frame with  
6 respect to the motion picture frames generated as P-frame by  
7 said compression means.

1           **Claim 9 (currently amended):** A moving picture data  
2 producing apparatus to which uncompressed moving picture  
3 data is input, comprising:

4           input means for inputting said uncompressed moving  
5 picture data;

6           ~~compression~~ moving picture coding means including  
7 quantization means for generating compressed moving picture  
8 data from said uncompressed moving picture data; ~~and~~

9           rate correction data producing means for producing rate  
10 correction data;

11 compression frame data means for adding said rate correction  
12 data to be added to said compressed moving picture data to  
13 generate outputted moving picture compression frame data;  
14 and

15 output means for outputting said compression frame data  
16 to a moving picture coding apparatus, wherein said moving

17 picture coding which is used by another apparatus is used to  
18 change the bit rate of said compressed moving picture data  
19 by utilizing said rate correction data and a desired bit  
20 rate input to said moving picture coding apparatus, wherein  
21 said rate correction data producing means includes a  
22 quarry-out area deciding means which decides an area of said  
23 compression frame data which is able to be partially quarry  
24 quarried out, by said moving picture coding apparatus, from  
25 in a frame of said compressed moving picture data, and  
26 wherein  
27 said rate correction data producing means creates said  
28 rate correction data for identifying the region in the  
29 quarry out area thus decided.

1 **Claim 10 (currently amended):** The apparatus according  
2 to Claim 9, wherein the rate correction data producing means  
3 produces the rate correction data which enables rate  
4 changing by said ~~another~~ moving picture coding apparatus for  
5 at least one or more areas within said quarry out area.

**Claim 11 (canceled)**

1 **Claim 12 (currently amended):** A moving picture coding  
2 apparatus comprising:

3        input means for inputting compression frame data output  
4        from a data producing apparatus, said compression frame data  
5        including compressed moving picture data, and rate  
6        correction data having information about the compressed  
7        moving picture data, said input means also for inputting a  
8        desired bit rate;

9        rate correction data extraction means for extracting  
10       said information about the compressed moving picture data  
11       from said rate correction data of said compression frame  
12       data; and

13       ~~bit rate correction means for selecting rate correction~~  
14       ~~data, for each frame, from generating modified compressed~~  
15       ~~moving picture data by changing the bit rate of said~~  
16       ~~compressed moving picture data to the desired bit rate~~  
17       ~~utilizing said information about the compressed moving~~  
18       ~~picture data, compressed moving picture data input to said~~  
19       ~~apparatus so as to comply with a bit rate to be output, and~~  
20       ~~also for replacing the selected rate correction data with~~  
21       ~~compressed moving picture data so that another moving~~  
22       ~~picture data having a different bit rate is synthesized,~~  
23       ~~wherein the bit rate is changed based on said rate~~  
24       ~~correction data without decoding all of said inputted~~  
25       compressed moving picture data; and

26        output means for outputting said modified compressed  
27   moving picture data for transmission to a user.

**Claim 13 (canceled)**

1        **Claim 14 (currently amended):** The apparatus according  
2   to Claim 12, wherein said rate correction data includes bit  
3   deletion data identifying bits in said compressed moving  
4   picture data which are identified for ~~later~~ possible  
5   deletion, and further wherein said bit rate correction means  
6   uses said bit deletion data to delete some number of said  
7   bits from said compressed moving picture data to output  
8   modified compressed moving picture data at the ~~a different~~  
9   desired bit rate.

**Claims 15-20 (canceled)**

1        **Claim 21 (new):** A system for changing the bit rate of  
2   compressed moving picture data, said system comprising:  
3          a moving picture data producing apparatus including:  
4          rate correction data producing means for producing rate  
5   correction data including information about said compressed  
6   moving picture data,



7           compression frame data means for adding said rate  
8   correction data to said compressed moving picture data to  
9   generate compression frame data, and

10          output means for outputting said compression frame  
11   data; and

12          a moving picture coding apparatus separate from said  
13   moving picture data producing apparatus, said coding  
14   apparatus including:

15                 input means for inputting said compression frame  
16   data output from said data producing apparatus, said  
17   input means also for inputting a desired bit rate,

18                 bit rate correction means for generating modified  
19   compressed moving picture data by using said  
20   information in said rate correction data for changing  
21   the bit rate of said       compressed moving picture data  
22   to the desired bit rate, and

23                 output means for outputting said modified  
24   compressed moving picture data for transmission to a  
25   user.

1           **Claim 22 (new):** The system of claim 21, wherein said  
2   rate correction data includes bit deletion data identifying  
3   bits in said compressed moving picture data for possible  
4   deletion, and further wherein said bit rate correction means

5 uses said bit deletion data to delete some number of said  
6 bits from said compressed moving picture data to generate  
7 said modified compressed moving picture data at the desired  
8 bit rate.

1       **Claim 23 (new):** The system of claim 21, wherein said  
2 bit rate is changed by said moving picture coding apparatus,  
3 based on said rate correction data, without decoding all of  
4 said inputted compressed moving picture data.

1       **Claim 24 (new):** A system for changing the bit rate of  
2 compressed moving picture data, said system comprising:

3       a moving picture data producing apparatus including:

4           input means for inputting uncompressed moving  
5 picture data,

6           moving picture coding means for generating  
7 compressed moving picture data from said uncompressed  
8 moving picture data,

9           rate correction data producing means for producing  
10 rate correction data based on an output of said moving  
11 picture coding means, said rate correction data  
12 including information about said compressed moving  
13 picture data,

14           compression frame data means for adding said rate  
15           correction data to said compressed moving picture data  
16           to generate compression frame data, and  
17           output means for outputting said compression frame  
18           data; and  
19           a moving picture coding apparatus including:  
20           input means for inputting compression frame data  
21           output from said data producing apparatus, said input  
22           means also for inputting a desired bit rate,  
23           rate correction data extraction means for  
24           extracting said information about the compressed moving  
25           picture data from said rate correction data of said  
26           compression frame data,  
27           rate correction means for generating modified  
28           compressed moving picture data by changing the bit rate  
29           of said compressed moving picture data to the desired  
30           bit rate by utilizing said information about the  
31           compressed moving picture data, and  
32           output means for outputting said modified  
33           compressed moving picture data for transmission to a  
34           user;  
35           wherein the bit rate is changed by said moving picture  
36           coding apparatus without decoding the compressed moving  
37           picture data of said compression frame data.

1           **Claim 25 (new):**   The system of claim 24, wherein said  
2   rate correction data includes bit deletion data identifying  
3   bits in said compressed moving picture data for possible  
4   deletion, and further wherein said bit rate correction means  
5   uses said bit deletion data to delete some number of said  
6   bits from said compressed moving picture data to generate  
7   said modified compressed moving picture data at the desired  
8   bit rate.